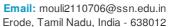


# **MOULI PIRASHAD R**

B.E. - Computer Science & Engineering

Ph: +91-9629883505





2021 - 2025

2021

2019

#### **BRIEF SUMMARY**

I am Mouli Pirashad, a third-year Computer Science Engineering student at SSN College of Engineering. Enthusiastic about algorithm development and software solutions with strong programming skills in C, Java, and Python. Completed several minor projects demonstrating practical application of programming languages. Actively engaged in studying Big Data technologies and Data Science, showcasing an eagerness to delve into emerging fields and expand technical horizons.

I am poised to contribute effectively within a team-oriented environment ,passionate about fostering effective teamwork, advocating open dialogue, and collectively resolving challenges. An enthusiastic learner, adept at swiftly assimilating new concepts and translating them into practical applications.

# **KEY EXPERTISE**

Python C Java Data Structures Object-Oriented Programming Big Data Data Science DBMS Algorithms

Computer Architecture SQL Data Cleaning Data Manipulation Team Management Teamwork Operating Systems

# **EDUCATION**

# Sri Sivasubramaniya Nadar College of Engineering

B.E. - Computer Science & Engineering | CGPA: 7.46 / 10.00

# Sri Chaitanya Jr kalasala, Bachupally

12<sup>th</sup> | TSBIE | Percentage: 95.60 / 100.00

Bharathi Vidya Bhavan Matric Higher Secondary School, Erode

10<sup>th</sup> | TNBSE | Percentage: **92.60** / **100.00** 

# Course Works - Key Courses Taken :

Problem solving and programming with Python

Fundamentals and Practice of Software Development(C language)

Foundations of Data Science

Data Structures with C

Object Oriented Programming with Java

Digital Principles and System Design

Design and Analysis of Algorithm with Python

**Operating Systems** 

Computer Organization and Architecture

Database Management Systems

#### Labs:

Problem solving and programming with Python Lab

Fundamentals and Practice of Software Development(C language) Lab

Foundations of Data Science Lab

Data Structures with C Lab

Object Oriented Programming with Java Lab

Digital Principles and System Design Lab

Design and Analysis of Algorithm with Python Lab

Operating Systems Lab

Database Management Systems Lab

### **PROJECTS**

#### Airline Ticket Booking System

Mentor: Dr.B.Bharathi | Team Size: 3

Key Skills: Java Java Swing Teamwork Testing

Engineered an Airline Ticket Booking System using Java, skillfully integrating Object-Oriented Programming (OOP) concepts for organized code architecture. Crafted a user-friendly interface utilizing Java Swing, enabling effortless flight browsing, booking, and administration. Demonstrated proficiency in Java, OOP design, and Java Swing for a polished and user-centric application.

# Railway Management System with DBMS and Java Swing

Mentor: Dr.N.Sujaudeen | Team Size: 3

Key Skills: Java Swing DBMS Data Analytics Debugging Teamwork SQL

Designed and developed a Railway Management System integrating database management (DBMS) and Java Swing. Created an intuitive Java Swing interface for staff, enabling efficient train scheduling, ticketing, and staff management. Engineered robust database architecture to ensure data

06 Oct, 2022 - 25 Aug, 2023

17 Jan, 2023 - 12 May, 2023

integrity and implemented error-handling mechanisms. Improved operational efficiency and passenger experience, showcasing expertise in software development, DBMS, and user-centric design.

#### **University Time Table Generator**

Mentor: Dr.R.Kanchana | Team Size: 3

Key Skills: C Programming Teamwork File Handling Presentation Skills

I have meticulously engineered a dynamic University Time Table Generator using C, showcasing a robust command over programming intricacies. Devised an intelligent algorithm that judiciously allocated classes, faculty, and rooms, ensuring an optimized timetable while circumventing scheduling conflicts. Incorporated comprehensive user input validation and effective error handling mechanisms, guaranteeing the generation of accurate and coherent schedules.

This project underscored my proficiency in C programming and algorithmic problem-solving, as well as my ability to create practical solutions for complex logistical challenges. The University Time Table Generator stands as a testament to my dedication to creating efficient and user-friendly software tools for real-world applications

# Weather Forecasting Using Machine Learning and Data Analysis

04 May, 2022 - 16 Aug, 2022

04 May, 2022 - 16 Aug, 2022

Mentor: Mr.B.Senthil Kumar | Team Size: 2

Key Skills:

Data Processing Machine Learning Data Analysis

ata Analysis Data Cleaning

Data Extraction

Data Manipulation

Data Visualization

Team Management

Developed an innovative Weather Forecasting system by integrating Machine Learning and Data Analysis techniques. Collected and preprocessed diverse weather data, ensuring data accuracy and consistency. Utilized Python's data manipulation tools for exploratory analysis, revealing valuable insights. Engineered meaningful features to enhance predictive models' accuracy.

Employed machine learning algorithms to train models that effectively predicted weather conditions based on data. Demonstrated expertise in both machine learning and data analysis, while also showcasing an ability to merge technology and domain knowledge.

This project highlights my proficiency in handling data-driven challenges and utilizing machine learning for practical applications, underscoring my commitment to driving innovation through technology.

#### **CO-CURRICULAR ACTIVITIES**

Presentations

# **EXTRA CURRICULAR ACTIVITIES**

- Swimming
- National Cadet Corps(NCC) at School
- NSO volunteer at College
- Quiz competitions

#### PERSONAL INTERESTS / HOBBIES

- Listening to Music
- Dance
- Gym
- Cooking

# IMs

• WhatsApp - 9629883505

#### **PERSONAL DETAILS**

Gender: Male

Marital Status: Single

Current Address: 5,VIP Nagar, Therkupallam Road, Thindal, Erode,

Erode, Tamil Nadu, India - 638012

 $\textbf{Emails:} \ mouli 2110706@ssn.edu. in \ , \ moulipirashadr@gmail.com$ 

Date of Birth: 12 Jan, 2004

Known Languages: Tamil (Native), English, Telugu,

Spanish(Beginner)

Phone Numbers: +91-9629883505, +91-8825873247